The Occultation of Jupiter, 1893 *February* 20.
By C. Leeson Prince.

The weather was most unfavourable for observing this phe-
nomenon, but through breaks in the clouds I was able to watch
the gradual approach of the Moon towards the planet. Obser-
vation of first contact was prevented by a large mass of cloud,
and when this cleared off the planet was very nearly occulted;
but I was able to see the final disappearance, which happened at
0^h 33^m 31^s, L.S.T., but upwards of 14 minutes later than the
time given in the *Nautical Almanac*. The atmosphere was in a
too tremulous condition to observe whether there was any dis-
tortion of the planet's limb or any shaded line upon it.

I had no further opportunity for observation until 1^h 45^m 15^s,
when the following limb of the planet was 8^m 30^s west of the
Moon. I consider my new observatory to be 39 seconds east
of Greenwich. Telescope is of 6·8 inches' aperture and 12-feet
focal length. Power 80.

The Observatory, Crowborough, Sussex:
    1893 February.

Observations of Brooks' Comet (g 1892) and Holmes' Comet (f 1892) made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

The observations were made with the East, or Sheepshanks, Equatorial, aperture 6·7 inches, by taking transits over two cross wires at right angles to one another, and each inclined 45° to the parallel of declination. Transits were sometimes taken also over a third wire bisecting the angle between the two other wires. Magnifying power, 55.

Brooks' Comet.

Greenwich Mean Solar Time	Observer	☿−✳ R.A.	Corr. for Refraction	Corr. for Motion of ☿	Log. factor of Parallax	☿−✳ N.P.D.	Corr. for Refraction	Corr. for Motion of ☿	Log. factor of Parallax	No. of Comps.	Apparent R.A.	Apparen N.P.D.	Comp. Star
1893. Jan. d h m s		m s	s	s		′ ″	″	″			h m s	° ′ ″	
10 8 36 30	H.	−2 14·00	+0·04	−0·45	9·8843	+15 51·6	+0·3	−5·7	0·6373	3	20 59 37·02	27 18 36·4	a
10 9 1 34	„	−0 12·98	+0·01	−0·51	9·8742	+4 32·3	+0·1	−6·4	0·6921	2	21 0 0·06	27 19 43·6	b
15 7 44 7	„	+1 21·55	+0·03	−0·31	9·7958	+12 46·1	0·0	−2·5	0·4529	3	22 20 24·35	34 47 21·5	c
15 8 20 34	„	−0 53·30	0·00	+0·17	9·8080	−2 24·5	−0·1	+1·3	0·5537	2	22 20 43·58	34 49 23·1	d
20 10 6 19	A. C.	−0 6·43	−0·01	−0·09	9·7212	+8 26·8	+0·2	−0·6	0·7596	2	...	...	e
20 10 15 45	„	−0 12·03	+0·01	+0·11	9·7154	−5 47·7	−0·2	+0·9	0·7720	4	...	...	f
Feb. 4 6 51 21	„	+0 4·10	0·00	+0·06	9·5697	−3 27·6	0·0	+0·5	0·6185	2	0 1 10·24	56 52 58·8	g
4 6 55 37	B.	+0 3·03	0·00	+0·06	9·5750	−3 39·4	0·0	+0·5	0·6237	3	0 1 9·17	56 52 47·0	g
5 6 45 16	„	−1 3·70	0·00	+0·03	9·5625	+0 20·3	0·0	+0·3	0·6213	2	...	...	h
5 6 52 4	A. C.	−1, 21·3	0·00	+0·03	9·5700	+0 30·0	0·0	+0·3	0·6284	4	...	...	h
5 6 55 0	„	−1 35·66	0·00	+0·03	9·5732	+5 15·0	0·0	+0·3	0·6315	1	...	...	i
8 6 51 42	B.	−0 6·18	0·00	−0·03	9·5678	+2 12·0	0·0	+0·3	0·6544	3	0 9 26·58	59 22 1·4	j
10 7 13 45	„	+0 55·09	0·00	−0·03	9·5925	+0 34·4	0·0	−0·3	0·6869	2	...	...	k
16 6 41 23	„	−0 27·56	0·00	+0·02	9·5603	−6 26·5	−0·1	+0·2	0·6966	3	...	...	l